

JVC

SERVICE MANUAL

PORTABLE COMPONENT SYSTEM

PC-V55 B/E/G



• This Service Manual is provided together with the Instruction Manual.

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1 Safety Precautions

1. The design of this product contains special hardware. Many circuits and components specially for safety purposes.

For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

2. Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by (Δ) on the schematics and parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in Service manual may create shock, fire, or other hazards.

4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and/or the like to be separated from live parts, high temperature part, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.

When service is required, the original lead routing and dress should be observed, and they should be confirmed to be returned to normal, after re-assembling.

5. Leakage current check

(Safety for electrical shock hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5 mA AC (r.m.s.).

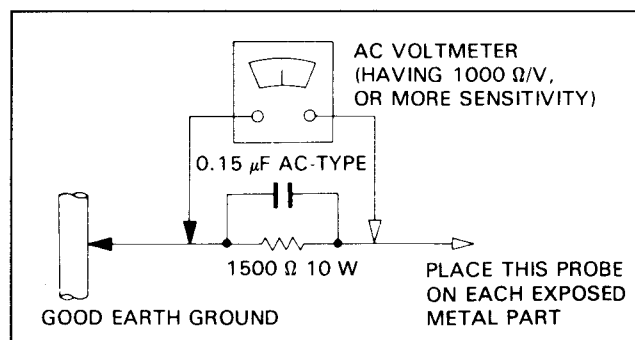
- Alternate check method.

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1500 Ω 10 W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.)

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.).

This corresponds to 0.5 mA AC (r.m.s.).



2 Location of Main Parts

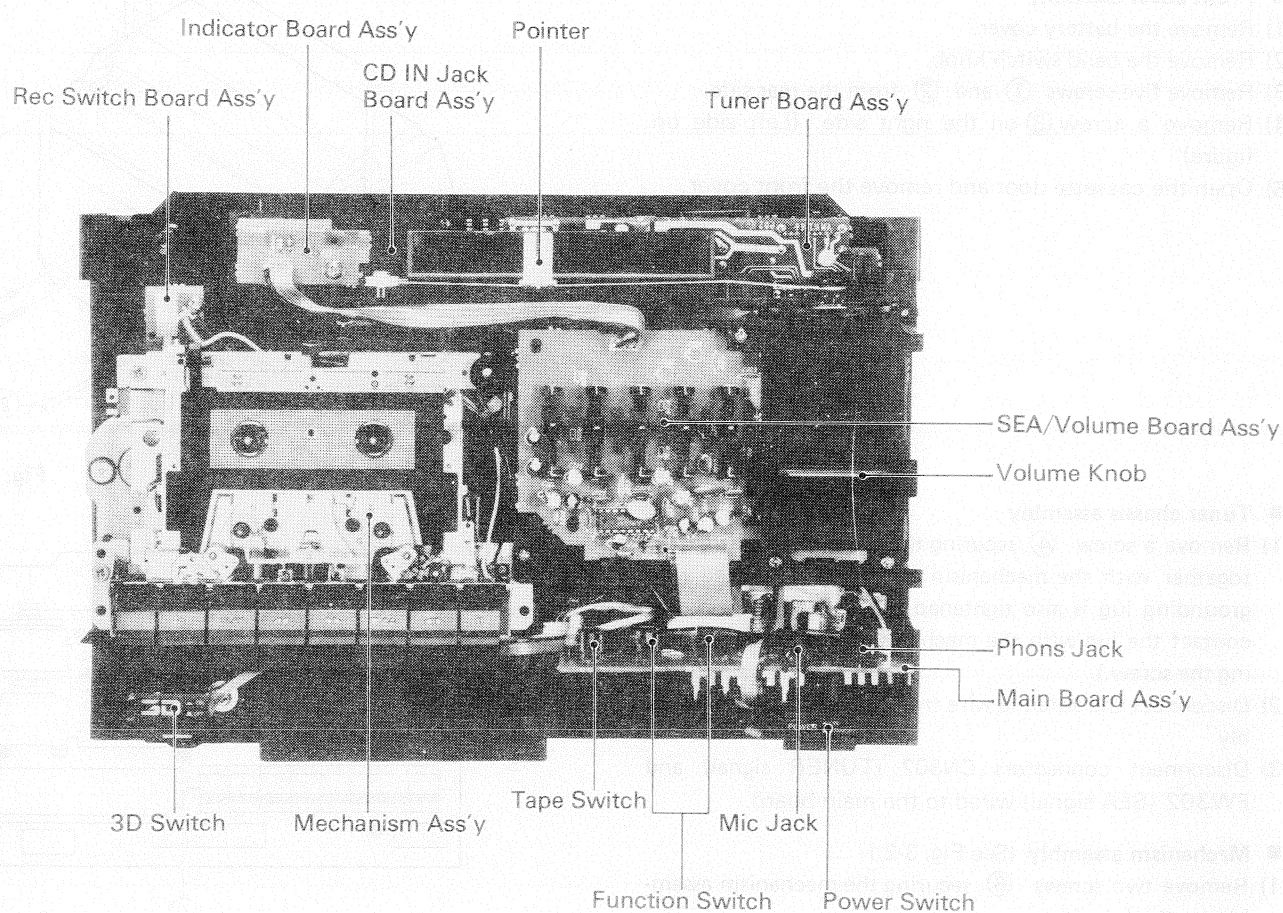


Fig. 2-1

3 Removal of Main Parts

● Enclosure Section

■ Front cover assembly

- 1) Remove the battery cover.
- 2) Remove the band switch knob.
- 3) Remove five screws ① and ② from the rear side.
- 4) Remove a screw ③ on the right side. (Left side on figure)
- 5) Open the cassette door and remove the front cover.

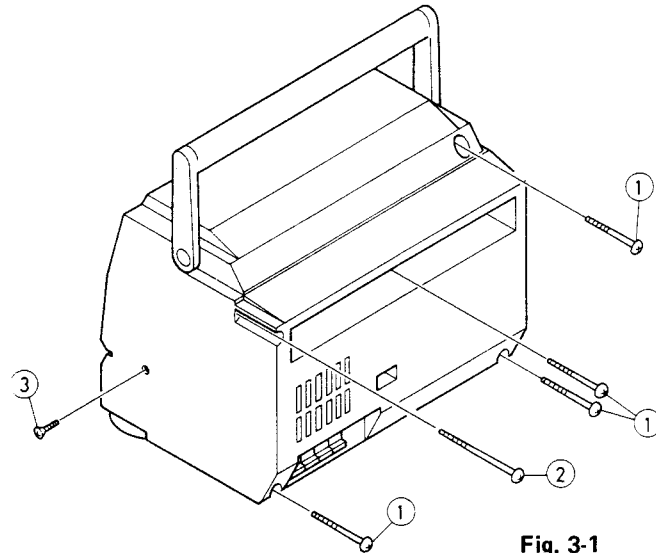


Fig. 3-1

■ Tuner chassis assembly

- 1) Remove a screw ④ securing the tuner chassis assembly together with the mechanism assembly. (The head wire grounding lug is also tightened together with them. So, contact the lug with the mechanism chassis after removing the screw.)
- 2) Disconnect the antenna wire from the tuner board assembly.
- 3) Disconnect connectors CN302 (TUNER signal) and FW302 (SEA signal) wired to the main board.

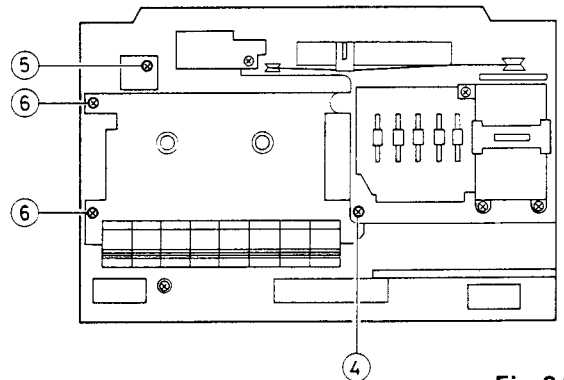


Fig. 3-2

■ Mechanism assembly (See Fig. 3-2.)

- 1) Remove two screws ⑥ securing the mechanism assembly by the left side.
- 2) Disconnect connectors CN301 (Head wire) and CN303 (Motor wire) which are wired to the main board.
- 3) If necessary, disengage wires to the recording switch and the motor by cutting the bind.

■ Main board assembly

- 1) Draw out the battery terminal board.
- 2) Remove a screw ⑤ securing the recording switch.
- 3) Remove two screws ⑦ securing the AC jack bracket.
- 4) Remove two screws ⑧ securing the power transformer.
- 5) Disconnect the 3D speaker cord from the main board.
- 6) If necessary, remove the 3D switch, speaker terminal and CD in jack board.

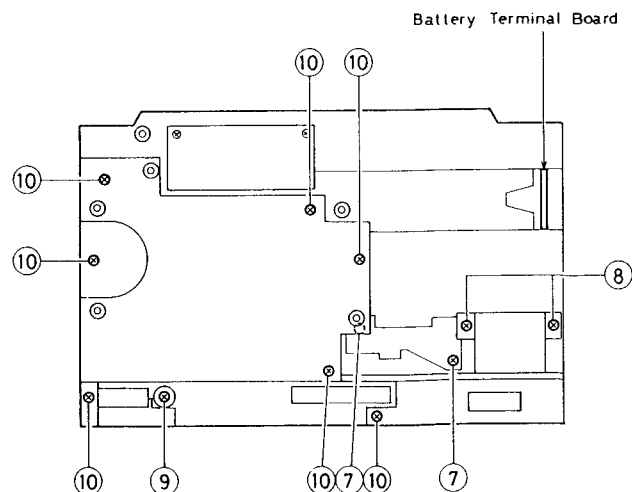


Fig. 3-3

■ 3D speaker

- 1) Remove a screw securing the 3D switch.
- 2) Remove seven screws ⑩ securing the 3D speaker cover and its base.
- 3) Take off the 3D speaker from the base.

■ Cassette door

- 1) Slide the cassette lid leftwards and take it off.
- 2) Remove the door damper.
- 3) Remove the shaft of the cassette holder arm.

● Mechanism Section

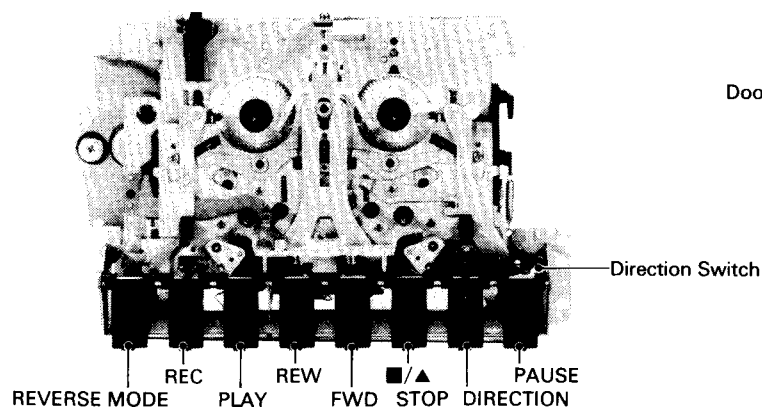


Fig. 3-4

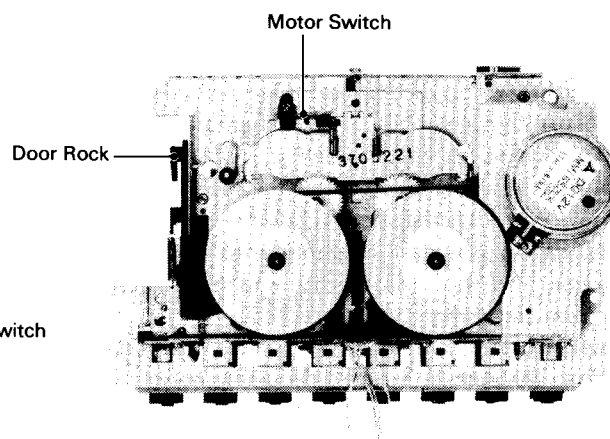


Fig. 3-5

■ How to Engage Indicator Belt

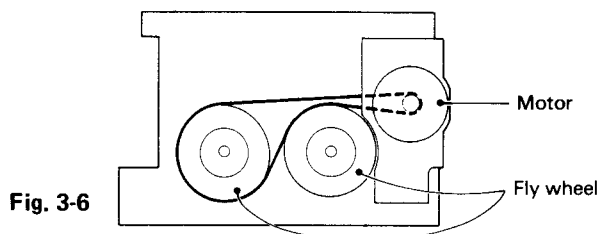


Fig. 3-6

Disassembly of Mechanism Section

■ Button lever assembly

- 1) Remove a screw ① securing the button lever assembly by the top side.
(By removing the direction switch fitting beforehand, it eases to do the above procedure.)
- 2) Remove four screws ② and ② securing the assembly by both sides of the front panel.
- 3) Remove a screw ③ securing it by the left side.

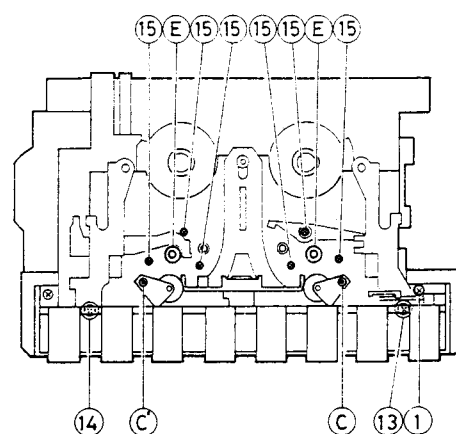


Fig. 3-7 Top view

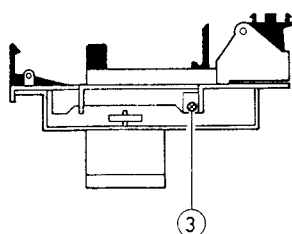


Fig. 3-8 Left side view

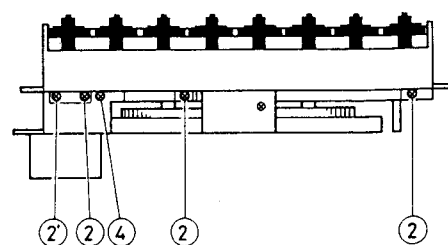


Fig. 3-9 Front side view

■ Motor assembly

- 1) If the button lever assembly has not been removed, remove screws ②, ② and ③ and then remove a screw ⑤ on the rear.
- 2) When the button lever assembly has been removed, remove screws ③ and ⑤.

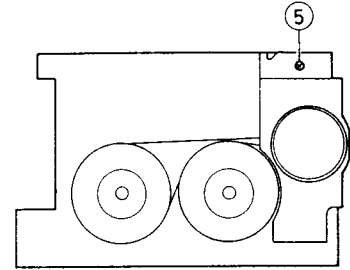


Fig. 3-10 Bottom view

■ Head assembly

- 1) Disconnect wiring of the head. (The wire clamp can be taken off by pressing it in the direction of the arrow mark shown in the figure.)(See Fig. 3-12)
- 2) Remove two screws ⑥ securing the head assembly.
- 3) Remove two adjusting screws ⑦.
- 4) Slightly lifting the head assembly upward, pull it in the direction of Y shown in the figure to make the shaft ⑧ free from engagement.
- 5) Remove the angle section ⑨ of the erase head. The portion ⑨ can be removed by raising its right side upwards and setting the head assembly upright at the same time.

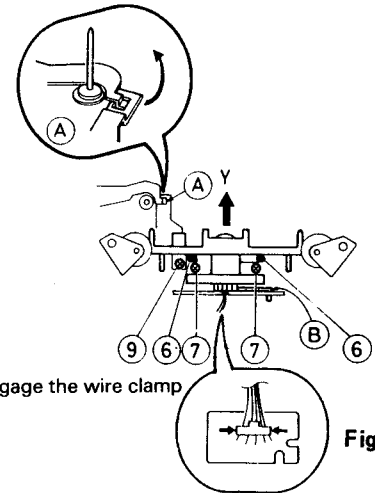


Fig. 3-11

How to disengage the wire clamp

Fig. 3-12

Replacement of the head

1. Draw the gear ⑧ out of the rotary head assembly.
2. Disengage the pawls ⑤ of at the both sides of the head bearing plate.

● Reassembly

1. Set the stud to the H. slide plate.
2. To assemble the H.T. over gear and the head panel with the shaft, first set the two points of the H.T. over gear (shown in the figure) for points ① and ② of the H. slide plate respectively.
3. The head gear and H.T. over gear should be set to gear into each other in the same condition as they were done before disassembly (as shown in the figures).

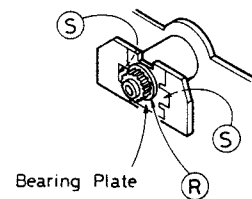


Fig. 3-13

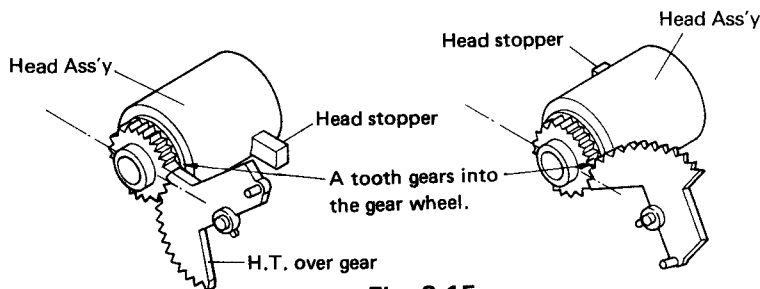


Fig. 3-15

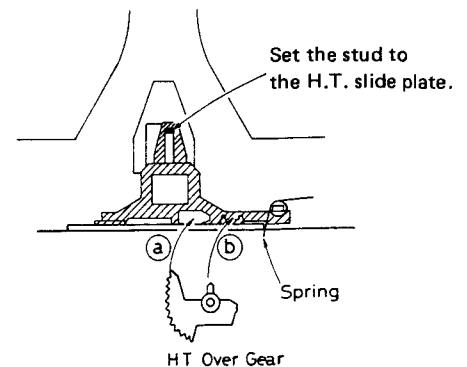


Fig. 3-14

Gearing condition can be checked by operating the direction switch.

■ Pinch roller

The pinch roller can be removed by disengaging washers ③ and ④.

■ Disk unit assembly

- 1) Remove a screw ⑩ fixing the motor switch.
- 2) Remove a screw ⑪ securing the disk base bracket.
- 3) Setting up the disk base unit disengage the pawl of the ⑤, and then remove the disk unit assembly with careful attention not to overstrain the gears.
(Removing the flywheel beforehand eases the work of this step.)

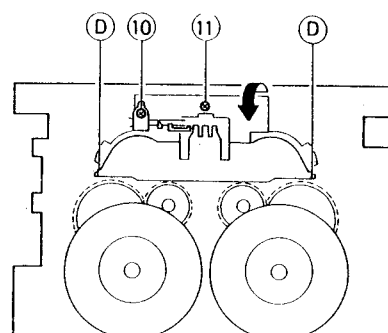


Fig. 3-16

■ Flywheel assembly

Remove a washer ⑥ securing the flywheel assembly.
(At this step, be careful not to miss a flat washer set below the washer ③.)

■ T. cam gear

T cam gears can be disengaged by removing the C-shape washer ⑦.
(Pay attention to left and right gears which are different each other.)

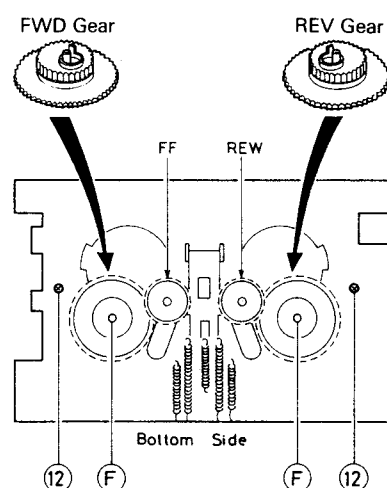


Fig. 3-17

■ Button base assembly

- 1) Remove two screws ⑫ on the rear panel.
- 2) Remove a screw ⑬ securing the pause button lever, and remove the pause button lever's stud from the lever. After the above procedure, press the button lever to remove it. (See Fig. 3-7.)
- 3) Remove a screw ⑭ securing the reverse mode button lever and remove a stud from the button lever. Then press the lever to remove it. (See Fig. 3-7.)
- 4) Disengage springs at seven points ⑧, ⑨, ⑪, ⑫, ⑬, ⑭ and ⑮ shown in the figure.
- 5) Remove six screws ⑮ securing the capstan sleeve. (See Fig. 3-7.)
- 6) Reverse the set upside down (buttons are positioned downward), and remove the chassis and button base assembly.

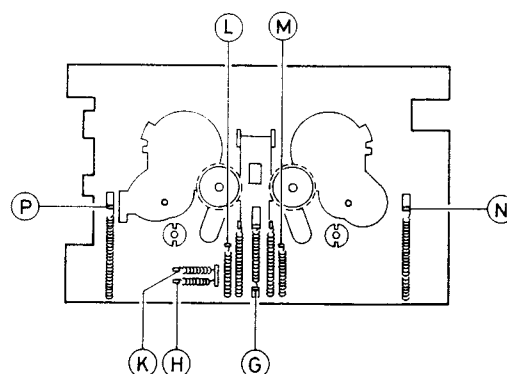


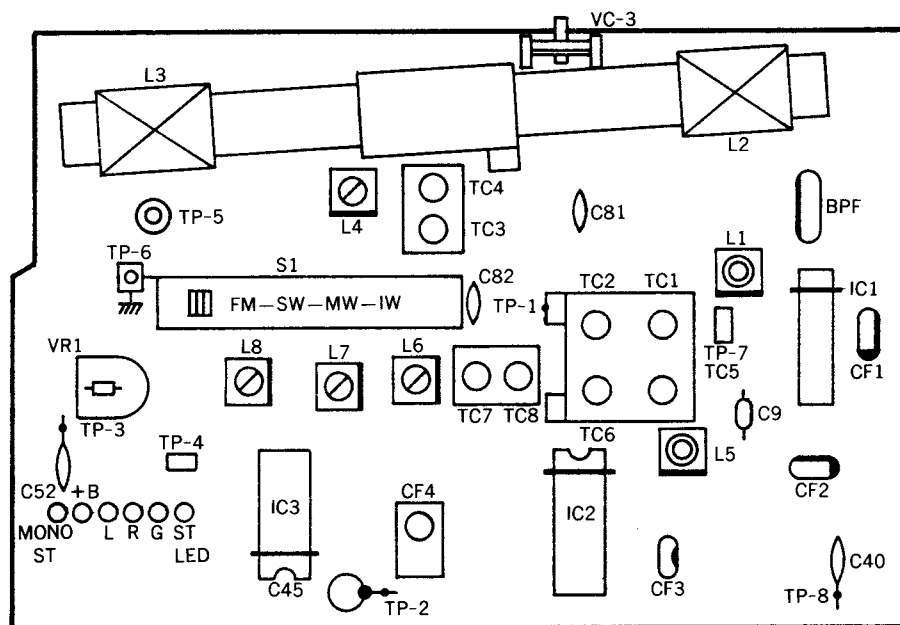
Fig. 3-18

4 Main Adjustments

■ Tuner Section

Basic conditions:

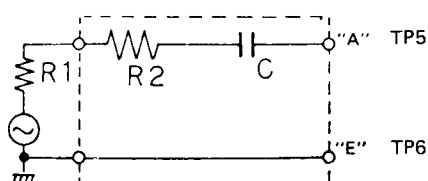
Power Source of the Receiver : DC 12 V or AC 120 V
 Tuner Section : 7 V
 Load Resistance of the Receiver: 50 mW (0.55 V)/6 Ω
 Modulation of SSG : AM — 400 Hz, 30 %
 FM — 400 Hz 22.5 kHz Dev



Locations of Adjusting Parts

Fig. 4-1

Dummy Antenna



FM : $R_1 + R_2 = 80 \Omega$, $C = 0$
 R_1 : Output impedance of S.S.G.

Loop Antenna

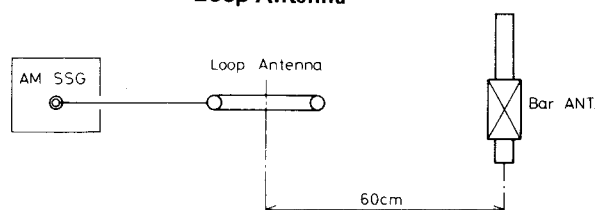



Fig. 4-2

■ Tuner Alignment

BASIC CONDITIONS

POWER SOURCE OF THE RECEIVER	DC 12 V, AC 110-120/220-240V
LOAD RESISTANCE OF THE RECEIVER	50 mW (0.55 V)/6 Ω
MODULATION OF SSG	400 Hz. 30%
Item	Description
1. AM IF ALIGNMENT	
1-1 Conditions of the receiver.	
(1) Power source:	DC 7 V (When the power is supplied directly to the tuner in the receiver, the voltage should be adjusted to the proper level which shall be required by the tuner.)

Item	Description														
(2) Function switch position: (3) Band select switch: (4) Volume control: (5) SEA control: (6) Variable capacitor: 1-2 Connection of Sweeper and the receiver (1) Tuner input: (2) Tuner output: 1-3 Aligning position: 1-4 Alignment (Waveform): 	RADIO AM Minimum gain position Center position Near the minimum capacity position where no signal come in. Positive side to TC3 positive side Positive side to TP6 Negative side to TP7] CFT Adjust AM I.F.T. (above mentioned aligning position) so that maximum and symmetrical wave form can be obtained. In this case, the wavehead should be appeared at the center marker (450 kHz) on the scope of Sweeper.														
2. FM IF ALIGNMENT 2-1 Conditions of the receiver (1) Power source: (2) Function switch position: (3) Band select switch: (4) Volume control: (5) SEA control: (6) Variable capacitor: 2-2 Connection of Sweeper and the receiver (1) Tuner input: (2) Tuner output:															
Same as mentioned in item 1-1 RADIO FM Minimum gain position Center position Near the minimum capacity position where no signal come in. Positive side to TP5 Positive side to TP6 Negative side to TP7															
NOTE a) Attach a capacitor (30 pF) and resistor (30 kΩ) to the positive side cable which shall be led from Sweeper input. b) Attach a resistor (100 kΩ) in series to the positive side cable which shall be led from Sweeper output. 2-3 Checking FM IF waveforms The waveform should be symmetrical. Depending on the C. Filter used, the intermediate frequencies are as shown in the table below.															
<table border="1"> <thead> <tr> <th>C. Filter color marking</th><th>Frequency (MHz)</th></tr> </thead> <tbody> <tr> <td>Black</td><td>10.64 ± 0.03</td></tr> <tr> <td>Blue</td><td>10.67 ± 0.03</td></tr> <tr> <td>Red</td><td>10.70 ± 0.03</td></tr> </tbody> </table>	C. Filter color marking	Frequency (MHz)	Black	10.64 ± 0.03	Blue	10.67 ± 0.03	Red	10.70 ± 0.03	<table border="1"> <thead> <tr> <th>C. Filter color marking</th><th>Frequency (MHz)</th></tr> </thead> <tbody> <tr> <td>Orange</td><td>10.73 ± 0.03</td></tr> <tr> <td>White</td><td>10.76 ± 0.03</td></tr> </tbody> </table>	C. Filter color marking	Frequency (MHz)	Orange	10.73 ± 0.03	White	10.76 ± 0.03
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C. Filter color marking	Frequency (MHz)														
Orange	10.73 ± 0.03														
White	10.76 ± 0.03														
3. AM RF ALIGNMENT 3-1 Conditions of the receiver. (1) Power source: (2) Function switch position: (3) Volume control: (4) SEA control: (5) Variable capacitor: 3-2 Conditions of SSG. (1) Modulation: (2) Frequency: (3) Output level of the attenuator in SSG: 3-3 Power output measuring position: 3-4 Alignment:															
Same as mentioned in item 1-1. RADIO 50 mW Center position Refer the following list shown in item 3-4. Refer the basic condition Refer the following list shown in item 3-4. Approx. 50 mW Speaker terminals															

	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
1	AM	Loop Antenna	520 kHz	Max. capacity	L7
2			1,650 kHz	Min. capacity	TC-7
3			Adjust the above aligning position (L7 & TC-7) repeatedly so that the tuner can be received above frequency range (band width).		
4			600 kHz	to be received 600 kHz	L2
5			1,400 kHz	to be received 1,400 kHz	TC-3
6			Adjust the above aligning position (L2 & TC-3) repeatedly so that the tuner can be obtained the best sensitivity.		
7	LW B/E version	Loop Antenna	145 kHz	Max. capacity	L6
8			360 kHz	Min. capacity	TC-6
9			Adjust the above aligning position (L6 & TC-6) repeatedly so that the tuner can be received above frequency range (band width).		
10			160 kHz	to be received 160 kHz	L3
11			350 kHz	to be received 350 kHz	TC-2
12			Adjust the above aligning position (L4 & TC-4) repeatedly so that the tuner can be obtained the best sensitivity.		
13	LW G version	Loop Antenna	145 kHz	Max. capacity	L6
14			290 kHz	Min. capacity	TC-6
15			Adjust the above aligning position (L6 & TC-6) repeatedly so that the tuner can be received above frequency range (band width).		
16			160 kHz	to be received 160 kHz	L3
17			360 kHz	to be received 290 kHz	TC-2
18			Adjust the above aligning position (L3 & TC-2) repeatedly so that the tuner can be obtained the best sensitivity.		
19	SW	Dummy Antenna	5.8 MHz	Max. capacity	L8
20			18.6 MHz	Min. capacity	TC-8
21			Adjust the above aligning position (L8 & TC-8) repeatedly so that the tuner can be received above frequency range (band width).		
22			6.0 MHz	to be received 6.0 MHz	L4
23			18.0 MHz	to be received 18.0 MHz	TC-4
24			Adjust the above aligning position (L4 & TC-4) repeatedly so that the tuner can be obtained the best sensitivity.		
Item			Description		
4. FM RF ALIGNMENT					
4-1 Conditions of the receiver.					
(1) Power source:			Same as mentioned in item 1-1.		
(2) Function switch position:			RADIO		
(3) Band select switch:			FM		
(4) Volume control:			50 mW		
(5) SEA control:			Center position		
(6) Variable capacitor:			Refer the following list shown in item 4-3.		
4-2 Condition of FM SSG.					
(1) Modulation:			Refer the basic condition		
(2) Frequency:			Refer the following list shown in item 4-3.		
(3) Output level of the attenuator in FM SSG:			The level shall be decided by the load resistance of the receiver mentioned in the basic conditions.		

	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
1	FM B/E version	Dummy Antenna	87.5 MHz	Max. capacity	L5
2			109.0 MHz	Min. capacity	TC-5
3			Adjust the above aligning position (L5 & TC-5) repeatedly so that the tuner can be received above frequency range (band width).		
4			90 MHz	to be received 90 MHz	L1
5			106 MHz	to be received 106 MHz	TC-1
6			Adjust the above aligning position (L1 & TC-1) repeatedly so that the tuner can be obtained the best sensitivity.		
7	FM G version	Dummy Antenna	87.5 ± 0.1 MHz	Max. capacity	L5
8			108.3 ± 0.05 MHz	Min. capacity	TC-5
9			Adjust the above aligning position (L1 & TC-1) repeatedly so that the tuner can be received above frequency range (band width).		
10			90 MHz	to be received 90 MHz	L2
11			106 MHz	to be received 106 MHz	TC-2
12			Adjust the above aligning position (L2 & TC-2) repeatedly so that the tuner can be obtained the best sensitivity.		

■ Amplifier Adjustments

Conditions

Power supply voltages : DC 12 V

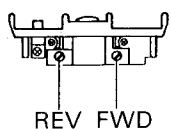
Input levels : AUX IN -8 dBm
MIX -60 dBm

Output levels : Speaker 0 dBm (0.775 V)/3 Ω
phones 0 dBm/32 Ω

SEAcontrols : Center

Tape select : Normal

Tapes used : Recording normal tape TS-8 (UD)
chrome tape TS-6
metal tape TS-7

Item	Tape used	Adjustment/check method	Switch setting	Adjustment location
Head azimuth adjustment	VTT703 10 kHz	Maximize outputs, and adjust to minimize phase difference between left and right channels.	NORM position	
Checking tape speed	VTT712 (3 kHz)	3000 Hz within (2940 ~ 3090) Hz	NORM position NR switch : Off	-----
Checking Wow/Flutter	VTT712 (3 kHz)	0.18 % (JIS RMS)	NORM position NR switch : Off	-----
Confirming playback frequency characteristics	VTT739 { 1 kHz } { 63 Hz } { 10 kHz }	With respect to their output at 1 kHz, the output at -4 dB \pm 4 dB at 63 Hz, and 0 dB \pm 3dB at 10 kHz.		-----
Rec/Play output adjustment	Normal tape	Record CD IN -5 dBm signal and play it back, then, confirm that level difference between its output and PB output of the VTT724 tape is within +2 \pm 3 dB.		-----

5 How to Engage Dial Card

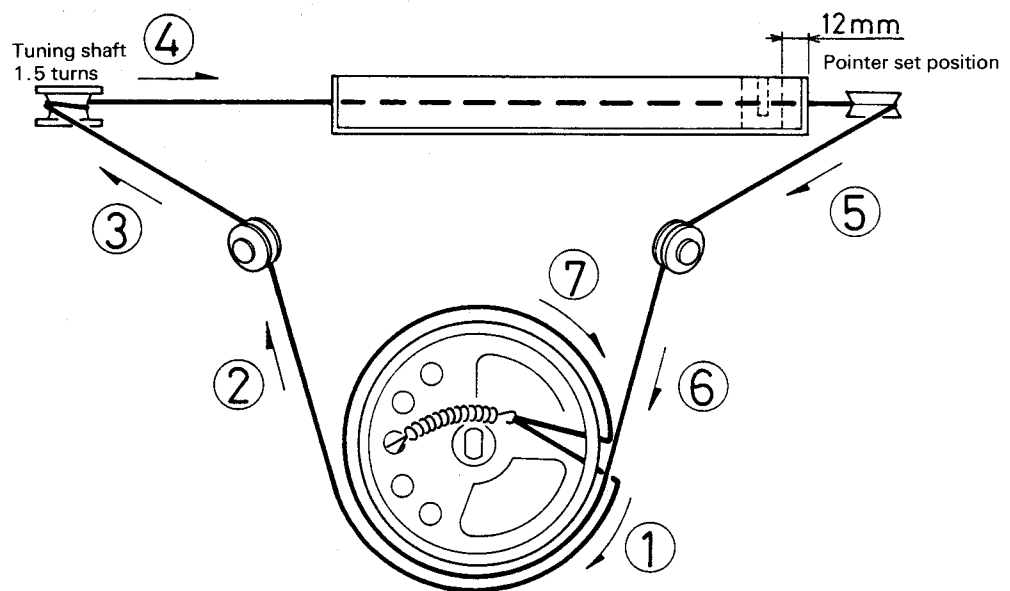
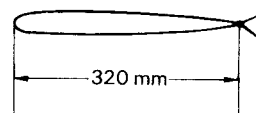


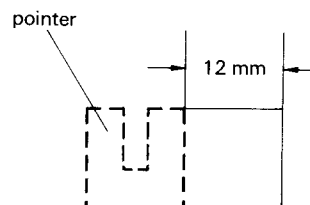
Fig. 5-1

1. Use a 0.5 mm kevlar cord.
2. The length of the cord should be 320 mm.
3. Lay the dial cord in numerical order.
4. After mounting the pointer, bond-lock it.



Tuning shaft section

Wind on the shaft 1.5 turns.



6 Wiring Connections

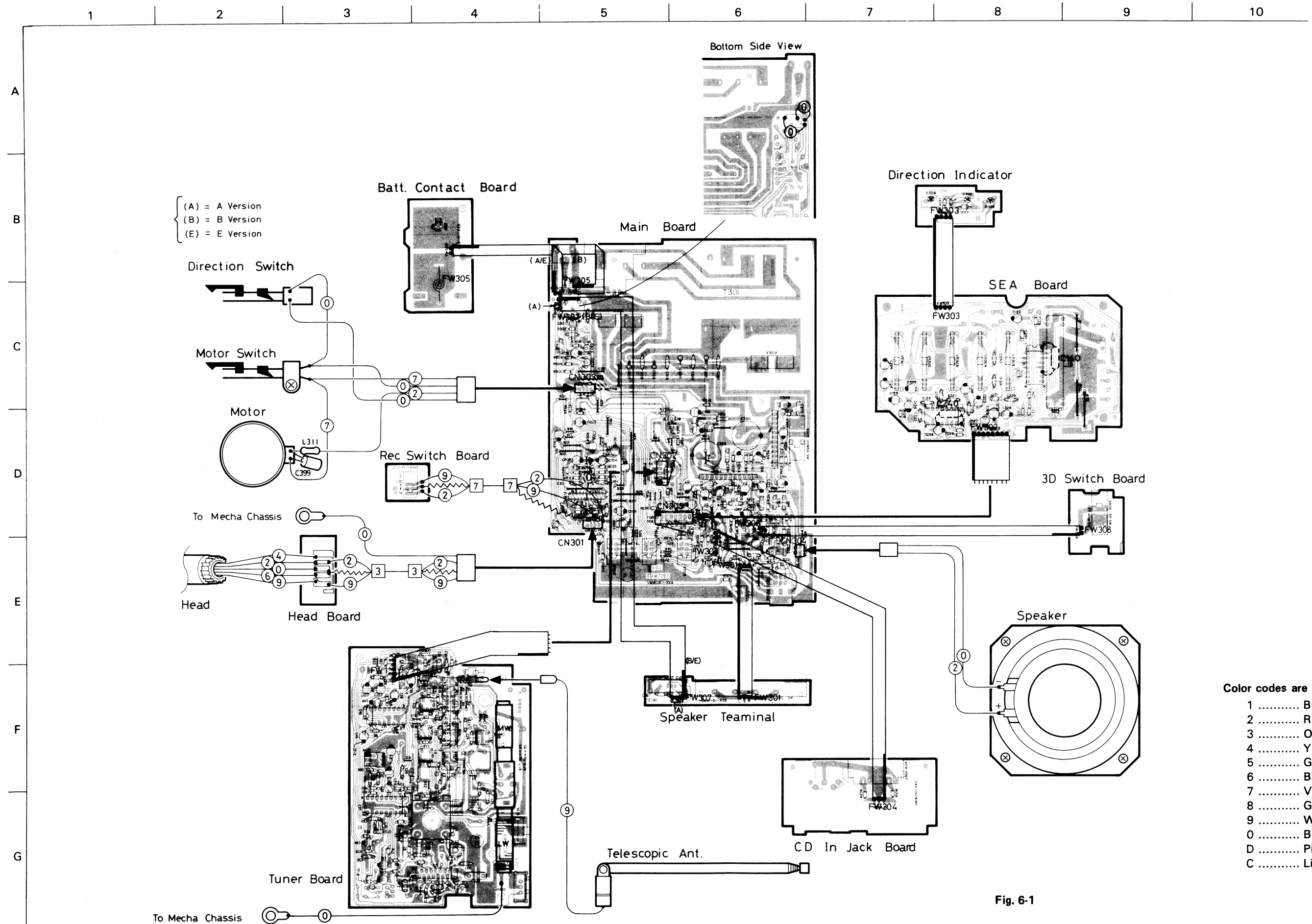


Fig. 6-1

7 Block Diagrams

Tuner Circuit

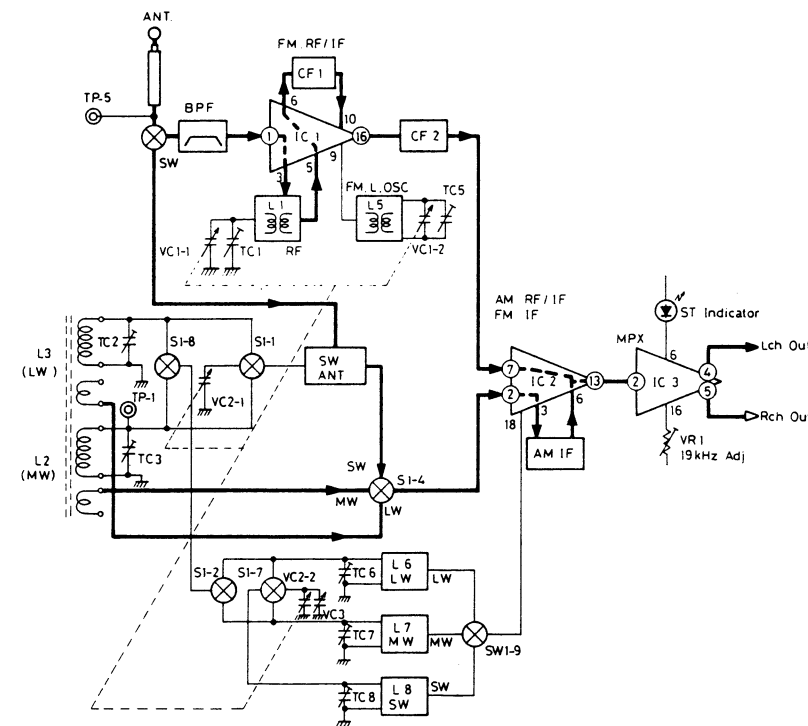


Fig. 7-1

Amplifier Circuit

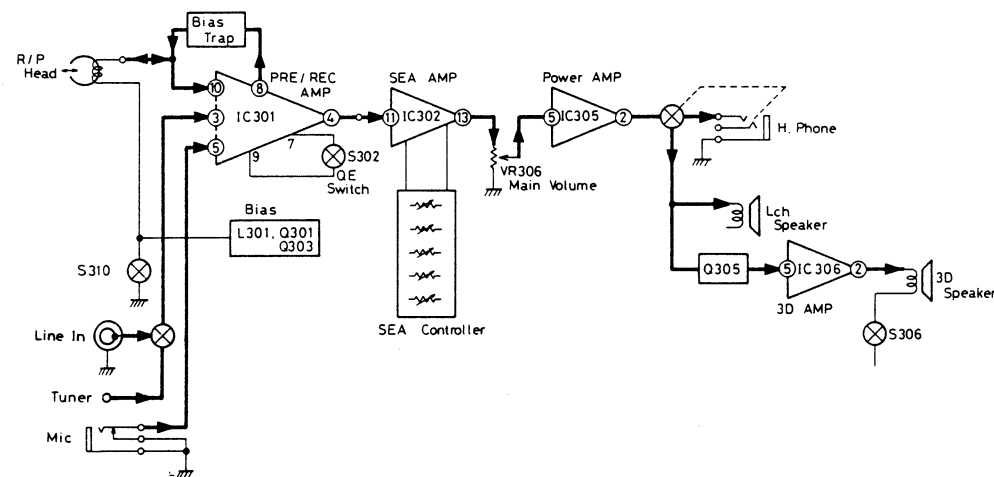


Fig. 7-2

8 Standard Schematic Diagram

Tuner Circuit

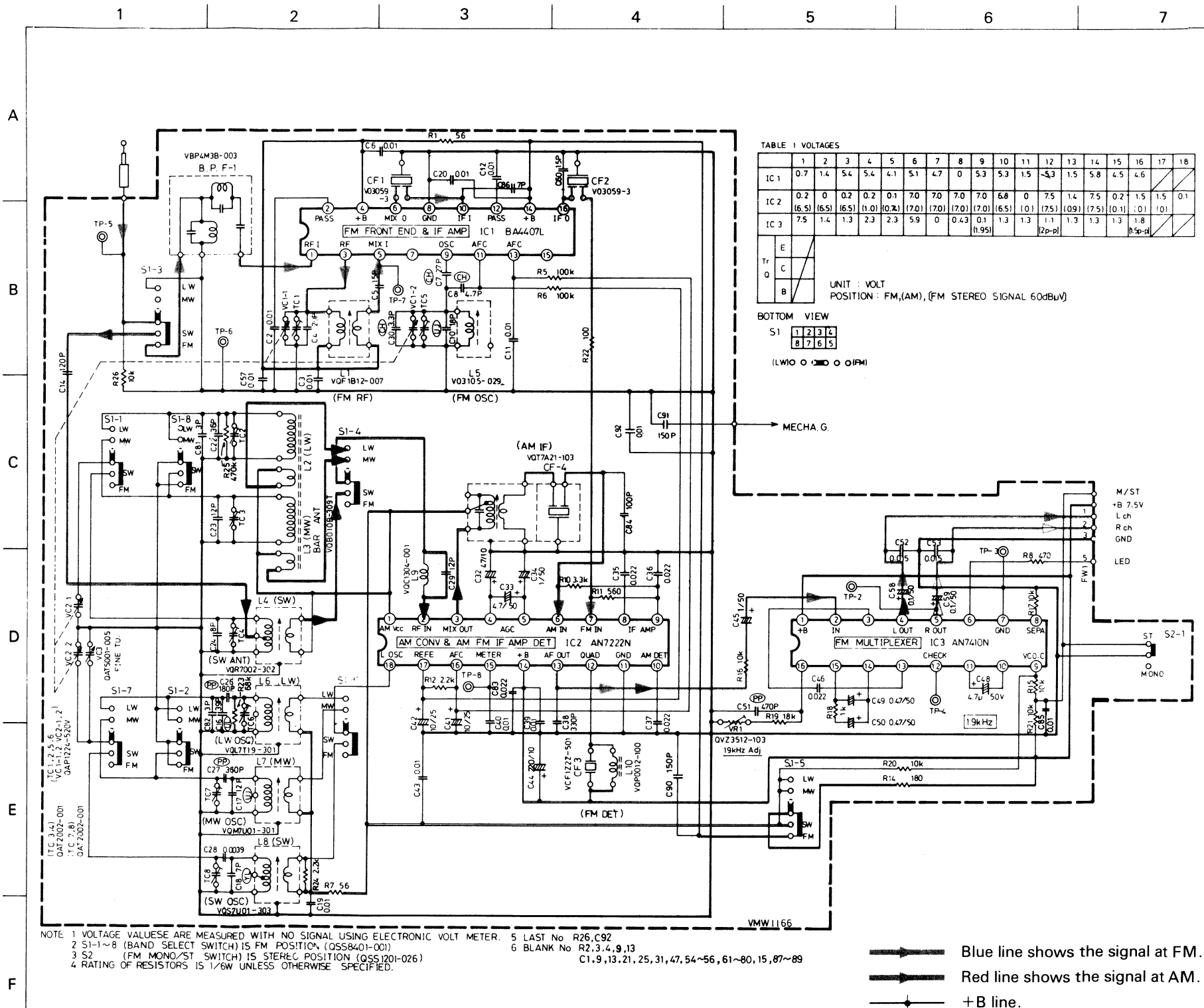
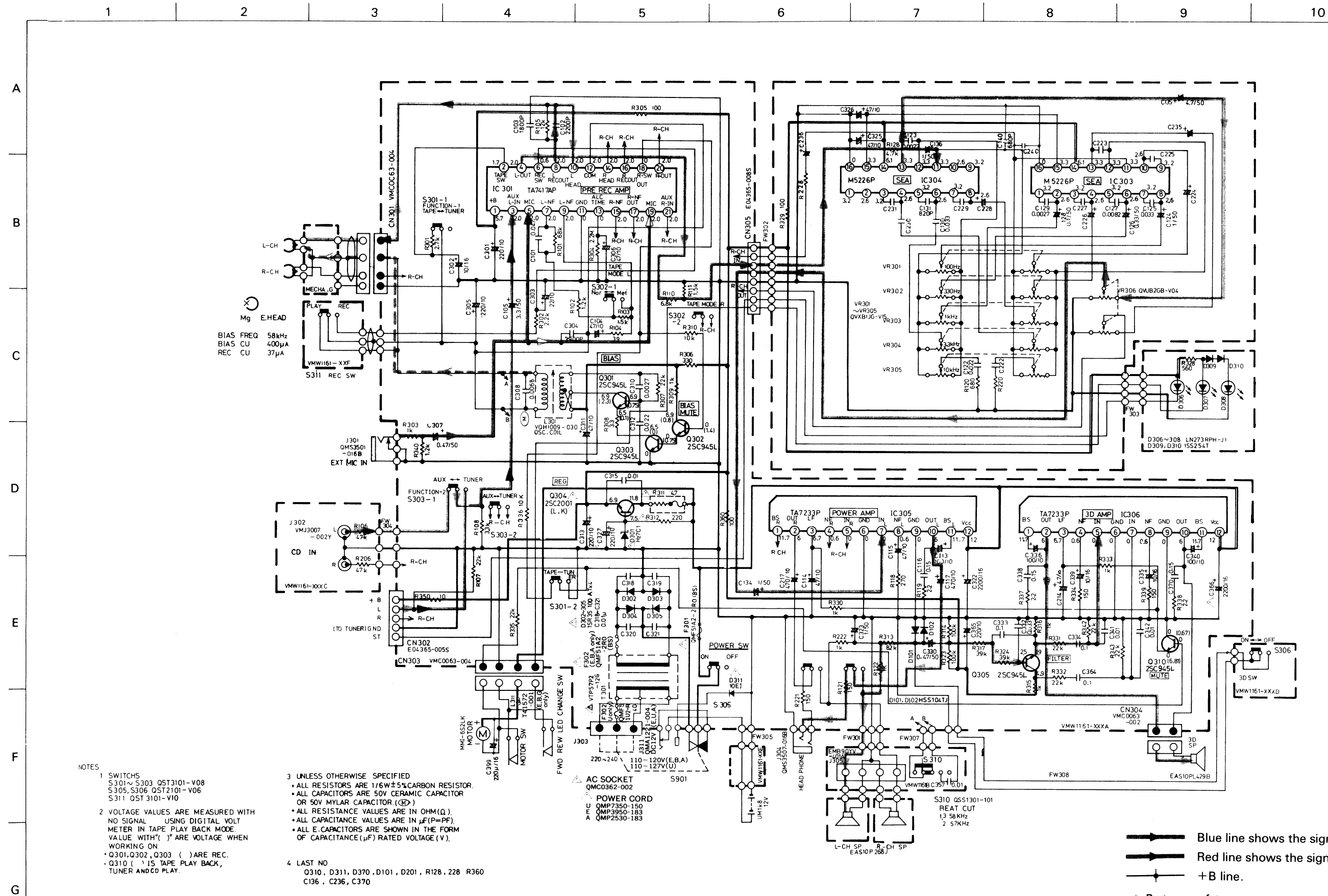


Fig. 8-1

■ Amplifier Circuit



9 Location of P.C. Board Parts and Parts List

Amplifier Board

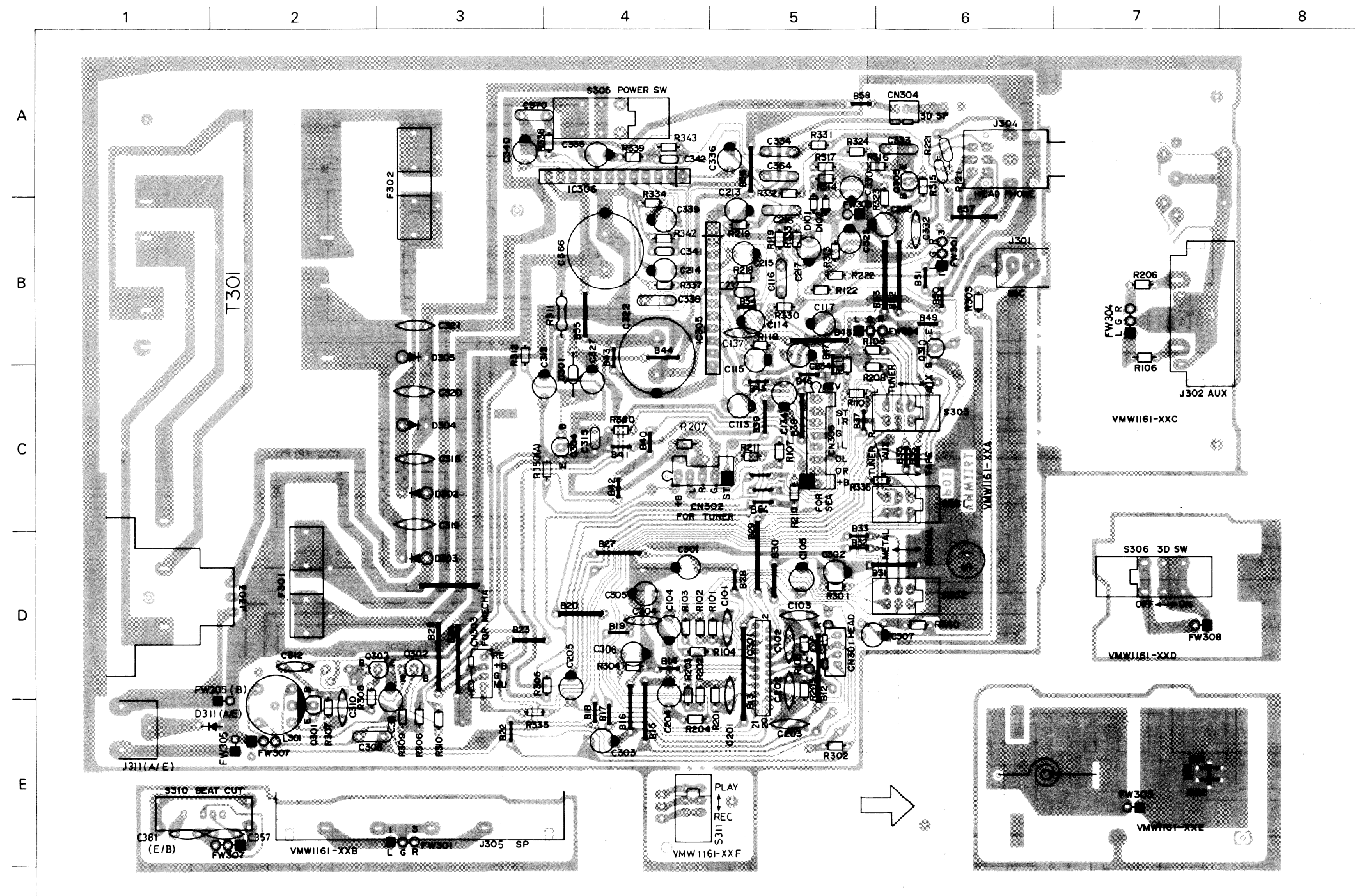
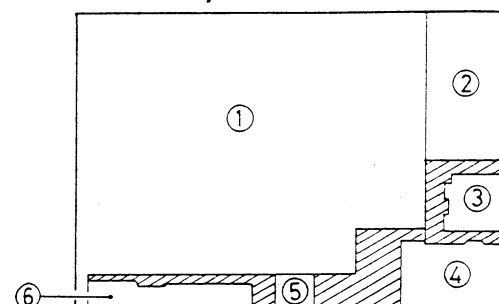
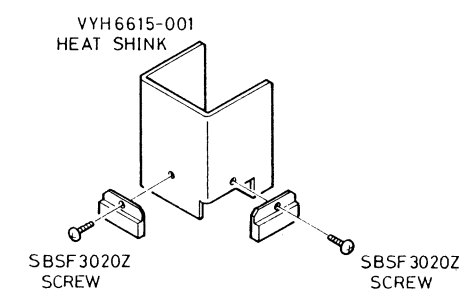


Fig. 9-1

Board Lay Out



1. Main Board
2. CD Jack Board
3. 3D Switch Board
4. Battery Contact Board
5. Rec/PB Switch Board
6. Speaker Terminal Board



Amplifier Board Parts List

REF. NO	PARTS NO.	PARTS NAME
-J	VMC0063-004	CONNECTOR
CN301	VMC0063-004	CONNECTOR
CN302	EO4365-005S	CONNECTOR
CN303	VMC0063-004	CONNECTOR
CN304	VMC0063-002	CONNECTOR
CN305	EO4365-008S	CONNECTOR
C101	QCC31EM-473ZV	C.CAPACITOR
C102	QCY31HK-222Z	C.CAPACITOR
C103	QCY31HK-182Z	C.CAPACITOR
C104	QETC1AM-476Z	E.CAPACITOR
C105	QETC1HM-335ZN	E.CAPACITOR
C113	QETC1AM-107ZN	E.CAPACITOR
C114	QETC1AM-476ZN	E.CAPACITOR
C115	QETC1AM-476ZN	E.CAPACITOR
C116	QFV71HJ-154ZM	TF.CAPACITOR
C117	QETB1AM-477N	E.CAPACITOR
C201	QCC31EM-473ZV	C.CAPACITOR
C202	QCY31HK-222Z	C.CAPACITOR
C203	QCY31HK-182Z	C.CAPACITOR
C204	QETC1AM-476Z	E.CAPACITOR
C205	QETC1HM-335ZN	E.CAPACITOR
C213	QETC1AM-107ZN	E.CAPACITOR
C214	QETC1AM-476ZN	E.CAPACITOR
C215	QETC1AM-476ZN	E.CAPACITOR
C216	QFV71HJ-154ZM	TF.CAPACITOR
C217	QETB1AM-477N	E.CAPACITOR
C301	QETC1AM-227ZM	E.CAPACITOR
C302	QETC1CM-106ZN	E.CAPACITOR
C303	QETC1AM-226ZN	E.CAPACITOR
C304	QCY31HK-392Z	C.CAPACITOR
C305	QETC1AM-227ZN	E.CAPACITOR
C306	QETC1AM-476ZN	E.CAPACITOR
C307	QETA1HM-474	E.CAPACITOR
C308	QFN31HJ-682Z	M.CAPACITOR
C310	QCY31HK-332Z	C.CAPACITOR
C311	QETC1AM-476ZN	E.CAPACITOR
C312	QCC31EM-223ZV	C.CAPACITOR
C313	QETC1AM-227ZN	E.CAPACITOR
C315	QCF31HP-103Z	C.CAPACITOR
C322	QETA1CM-228	E.CAPACITOR
C323	QETC1HM-105ZN	E.CAPACITOR
C327	QETC1AM-227ZN	E.CAPACITOR
C330	QETC1HM-474ZN	E.CAPACITOR
C332	QCC31EM-333ZV	C.CAPACITOR
C333	QFV71HJ-563ZM	TF.CAPACITOR
C334	QFV71HJ-104ZM	TF.CAPACITOR
C336	QETC1AM-107ZN	E.CAPACITOR
C338	QFV71HJ-154ZM	TF.CAPACITOR
C339	QETC1CM-106ZN	E.CAPACITOR
C340	QETC1AM-107ZN	E.CAPACITOR

△ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△	REF. NO	PARTS NO.	PARTS NAME
	C341	QCVB1CM-103Y	C.CAPACITOR
	C342	QCVB1CM-103Y	C.CAPACITOR
	C364	QFV71HJ-104ZM	TF.CAPACITOR
	C365	QETC1AM-227ZN	E.CAPACITOR
	C366	QETA1CM-228	E CAPACITOR
	C370	QFV71HJ-154ZM	TF.CAPACITOR
	D101	HSS104TJ	SI DIODE
	D201	HSS104TJ	SI DIODE
△	D301	HZ7C1	Z DIODE
	IC301	TA7417AP	IC
△	IC305	TA7233P	I.C.
	IC306	TA7233P	I.C.
	J301	QMS3501-016B	JACK
	J304	QMS3507-001H	JACK
	L301	VQH1009-030	OSC COIL(BIAS)
	Q301	2SC945L(P,Q)-T	TRANSISTOR
	Q302	2SC945L(P,Q)-T	TRANSISTOR
	Q303	2SC945L(P,Q)-T	TRANSISTOR
△	Q304	2SC2001(L,K)-T	TRANSISTOR
	Q305	2SC945L(P,Q)-T	TRANSISTOR
	Q310	2SC945L(P,Q)-T	TRANSISTOR
	R101	QRD161J-683Y	CARBON RESISTOR
	R102	QRD161J-122Y	CARBON RESISTOR
	R103	QRD161J-152Y	CARBON RESISTOR
	R104	QRD161J-390Y	CARBON RESISTOR
	R105	QRD161J-123Y	CARBON RESISTOR
	R106	QRD161J-124Y	CARBON RESISTOR
	R107	QRD161J-823Y	CARBON RESISTOR
	R108	QRD161J-822Y	CARBON RESISTOR
	R110	QRD161J-682Y	CARBON RESISTOR
	R111	QRD161J-152Y	CARBON RESISTOR
	R118	QRD161J-271Y	CARBON RESISTOR
	R119	QRD161J-2R2Y	CARBON RESISTOR
	R121	QRD161J-151	CARBON RESISTOR
	R122	QRD161J-102Y	CARBON RESISTOR
	R201	QRD161J-683Y	CARBON RESISTOR
	R202	QRD161J-122Y	CARBON RESISTOR
	R203	QRD161J-152Y	CARBON RESISTOR
	R204	QRD161J-390Y	CARBON RESISTOR
	R205	QRD161J-123Y	CARBON RESISTOR
	R206	QRD161J-124Y	CARBON RESISTOR
	R207	QRD161J-823Y	CARBON RESISTOR
	R208	QRD161J-822Y	CARBON RESISTOR
	R210	QRD161J-682Y	CARBON RESISTOR
	R211	QRD161J-152Y	CARBON RESISTOR
	R218	QRD161J-271Y	CARBON RESISTOR
	R219	QRD161J-2R2Y	CARBON RESISTOR
	R221	QRD161J-151	CARBON RESISTOR
	R222	QRD161J-102Y	CARBON RESISTOR
	R301	QRD161J-272Y	CARBON RESISTOR

△	REF. NO	PARTS NO.	PARTS NAME
	R302	QRD161J-222Y	CARBON RESISTOR
	R303	QRD161J-102Y	CARBON RESISTOR
	R304	QRD161J-225Y	CARBON RESISTOR
	R305	QRD161J-101Y	CARBON RESISTOR
	R306	QRD161J-331Y	CARBON RESISTOR
	R307	QRD161J-223Y	CARBON RESISTOR
	R308	QRD161J-3R3Y	CARBON RESISTOR
	R309	QRD161J-102Y	CARBON RESISTOR
	R310	QRD161J-103Y	CARBON RESISTOR
△	R311	QRZ0052-4R7	F.RESISTOR
	R312	QRD161J-221Y	CARBON RESISTOR
	R313	QRD161J-333Y	CARBON RESISTOR
	R314	QRD161J-104Y	CARBON RESISTOR
	R315	QRD161J-102Y	CARBON RESISTOR
	R316	QRD161J-102Y	CARBON RESISTOR
	R317	QRD161J-393Y	CARBON RESISTOR
	R323	QRD161J-104Y	CARBON RESISTOR
	R324	QRD161J-393Y	CARBON RESISTOR
	R330	QRD161J-102Y	CARBON RESISTOR
	R331	QRD161J-223Y	CARBON RESISTOR
	R332	QRD161J-223Y	CARBON RESISTOR
	R333	QRD161J-102Y	CARBON RESISTOR
	R334	QRD161J-151Y	CARBON RESISTOR
	R335	QRD161J-223Y	CARBON RESISTOR
	R336	QRD161J-103Y	CARBON RESISTOR
	R337	QRD161J-2R2Y	CARBON RESISTOR
	R338	QRD161J-2R2Y	CARBON RESISTOR
	R339	QRD161J-151Y	CARBON RESISTOR
	R340	QRD161J-122Y	CARBON RESISTOR
	R342	QRD161J-223Y	CARBON RESISTOR
	R343	QRD161J-223Y	CARBON RESISTOR
	R350	QRZ0052-100	C RESISTOR
	R360	QRD161J-101Y	CARBON RESISTOR
	S301	QST3101-V08	PUSH SWITCH
	S302	QST3101-V08	PUSH SWITCH
	S303	QST3101-V08	PUSH SWITCH
	S305	QST2101-V06	PUSH SWITCH

Power Supply Board Parts List

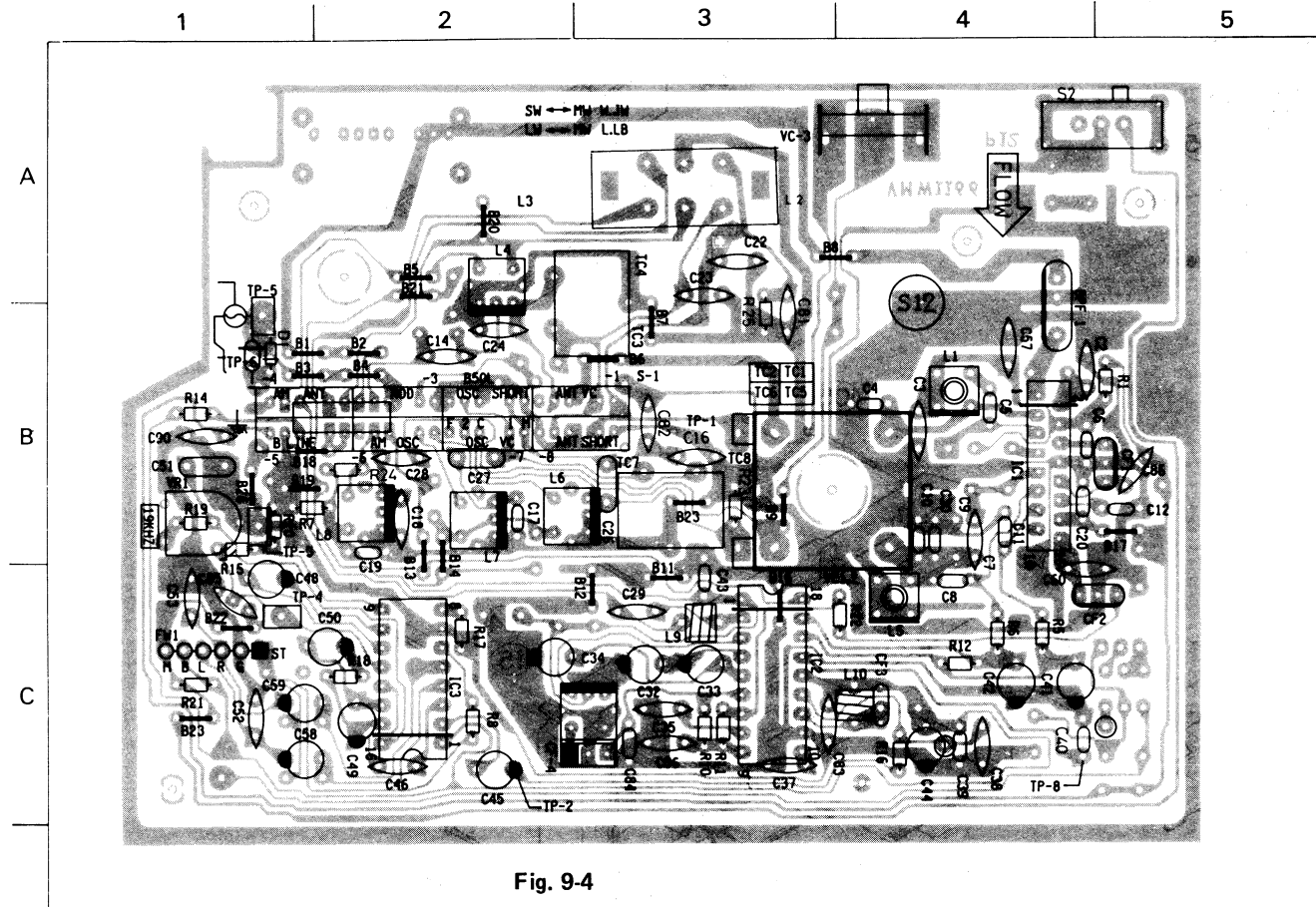
△	Ref. No.	Parts No.	Parts Name	Remarks
	T301	VTP57P2-12GBS	Power Transformer	PC-V55B
	"	VTP57P2-12G	"	PC-V55E/G
	J303	QMC0362-002	AC Socket	
	D302-305	1SR35-100AT-93	Si.Diode	
		VMA4113-001	Insulator	
	C318-321	QCF31HP-103Z	C.Capacitor	
	F301	QMF51E2-2R0BS	Fuse	PC-V55B
	"	QMF51E2-2R0	"	PC-V55E/G
		VMZ0043-001S	Fuse Clip	
		VND4003-044	Fuse Label	

Fig. 9-3

Volume Board Parts List

△	REF. NO	PARTS NO.	PARTS NAME
	C122	QCVB1CM-103Y	C.CAPACITOR
	C123	QCXB1CM-222Y	C.CAPACITOR
	C124	QETC1HM-105ZN	E.CAPACITOR
	C125	QCC31EM-333ZV	C.CAPACITOR
	C126	QETC1HM-334ZN	E.CAPACITOR
	C127	QCY31HK-822Z	C.CAPACITOR
	C128	QETC1HM-104ZN	E.CAPACITOR
	C129	QCY31HK-272Z	C.CAPACITOR
	C130	QCC31EM-333ZV	C.CAPACITOR
	C131	QCB1HK-821Y	C.CAPACITOR
	C135	QETC1HM-475ZN	E.CAPACITOR
	C136	QETC1HM-105ZN	E.CAPACITOR
	C140	QCB1HK-681Y	C.CAPACITOR
	C222	QCVB1CM-103Y	C.CAPACITOR
	C223	QCXB1CM-222Y	C.CAPACITOR
	C224	QETC1HM-105ZN	E.CAPACITOR
	C225	QCC31EM-333ZV	C.CAPACITOR
	C226	QETC1HM-334ZN	E.CAPACITOR
	C227	QCY31HK-822Z	C.CAPACITOR
	C228	QETC1HM-104ZN	E.CAPACITOR
	C229	QCY31HK-272Z	C.CAPACITOR
	C230	QCC31EM-333ZV	C.CAPACITOR
	C231	QCB1HK-821Y	C.CAPACITOR
	C235	QETB1HM-475	E.CAPACITOR
	C236	QETC1HM-105ZN	E.CAPACITOR
	C240	QCB1HK-681Y	C.CAPACITOR
	C325	QETC1EM-476ZN	E.CAPACITOR
	C326	QETC1EM-476ZN	E.CAPACITOR
	D306	LN273RPH-J1	LED
	D307	LN273RPH-J1	LED
	D308	LN273RPH-J1	LED
	D309	1SS270TJ	SI DIODE
	D310	1SS270TJ	SI DIODE
	IC303	M5226P	IC
	IC304	M5226P	IC
	R119	QRD161J-681Y	CARBON RESISTOR
	R120	QRD161J-472Y	CARBON RESISTOR
	R219	QRD161J-681Y	CARBON RESISTOR
	R220	QRD161J-472Y	CARBON RESISTOR
	R328	QRD161J-561Y	CARBON RESISTOR
	R329	QRD161J-101Y	CARBON RESISTOR
	SEA	VMW1169-001	PW BOARD
	VR301	QVXB1JG-V15	V.RESISTOR
	VR302	QVXB1JG-V15	V.RESISTOR
	VR303	QVXB1JG-V15	V.RESISTOR
	VR304	QVXB1JG-V15	V.RESISTOR
	VR305	QVXB1JG-V15	V.RESISTOR
	VR306	QVUB2GB-V04	SLIDE VOLUME

■ Tuner Board



△ Parts are safety assurance parts.

Tuner Board Parts List

When replacing those parts, make sure to use the specified one.

△ REF. NO	PARTS NO.	PARTS NAME	DESCRIPTION
BPF1	VBP4M3B-004	BP FILTER	
CF123	KMFC342	C FILTER KIT	
CF4	VQT7A21-103	IFT	
C10	QCT30UJ-180Y	C.CAPACITOR	18PF 5% 50V
C11	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V
C12	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V
C14	QCS31HJ-121Z	C.CAPACITOR	120PF 5% 50V
C16	QCS31HJ-390Z	C.CAPACITOR	39PF 5% 50V
C17	QCT30UJ-120Y	C.CAPACITOR	12PF 5% 50V
C18	QCT05YL-7R0V	C.CAPACITOR	7.0PF 5% 50V
C19	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V
C2	QCF31HP-103Z	C.CAPACITOR	.010MF +100:-0% 50V
C20	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V
C22	QCS31HJ-360Z	C.CAPACITOR	36PF 5% 50V
C23	QCS31HJ-120Z	C.CAPACITOR	12PF 5% 50V
C24	QCS31HJ-8R0Z	C.CAPACITOR	8.0PF 5% 50V
C26	QFP32AJ-181ZM	PP.CAPACITOR	180PF 5% 100V
C27	QFP82AJ-361	PP.CAPACITOR	360PF 5% 100V
C28	QCY31HK-392Z	C.CAPACITOR	3900PF 10% 50V
C29	QCS31HJ-120Z	C.CAPACITOR	12PF 5% 50V
C3	QCF31HP-103Z	C.CAPACITOR	.010MF +100:-0% 50V
C30	QCT30CH-3R3Y	C.CAPACITOR	3.3PF 5% 50V
C32	QETB1AM-476	E.CAPACITOR	47MF 20% 10V
C33	QETC1HM-475ZN	E.CAPACITOR	4.7MF 20% 50V
C34	QETC1HM-105ZN	E.CAPACITOR	1.0MF 20% 50V
C35	QCC31EM-223ZV	C.CAPACITOR	.022MF 20% 25V
C36	QCC31EM-223ZV	C.CAPACITOR	.022MF 20% 25V
C37	QCC31EM-223ZV	C.CAPACITOR	.022MF 20% 25V
C38	QCS31HJ-331Z	C.CAPACITOR	330PF 5% 50V
C39	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V

△ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△ REF. NO	PARTS NO.	PARTS NAME	DESCRIPTION
C4	QCSB1HJ-200Y	C.CAPACITOR	20PF 5% 50V
C40	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V
C41	QETC1EM-106ZN	E.CAPACITOR	10MF 20% 25V
C42	QETC1EM-106ZN	E.CAPACITOR	10MF 20% 25V
C43	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V
C44	QETC1AM-227ZN	E.CAPACITOR	220MF 20% 10V
C45	QETC1HM-105ZN	E.CAPACITOR	1.0MF 20% 50V
C46	QCC31EM-223ZV	C.CAPACITOR	.022MF 20% 25V
C48	QETC1HM-475ZN	E.CAPACITOR	4.7MF 20% 50V
C49	QETB1HM-474	E.CAPACITOR	.47MF 20% 50V
C5	QCSB1HJ-150Y	C.CAPACITOR	15PF 5% 50V
C50	QETC1HM-474ZN	E.CAPACITOR	.47MF 20% 50V
C51	QFP32AJ-471ZM	PP.CAPACITOR	470PF 5% 100V
C52	QCC31EM-473ZV	C.CAPACITOR	.047MF 20% 25V
C53	QCC31EM-473ZV	C.CAPACITOR	.047MF 20% 25V
C57	QCF31HP-103Z	C.CAPACITOR	.010MF +100:-0% 50V
C58	QETC1HM-104Z	E.CAPACITOR	.10MF 20% 50V
C59	QETC1HM-104Z	E.CAPACITOR	.10MF 20% 50V
C6	QCVB1CN-103Y	C.CAPACITOR	.010MF 30% 16V
C60	QCS31HJ-150Z	C.CAPACITOR	15PF 5% 50V
C7	QCT25CH-270Z	C.CAPACITOR	27PF 5% 50V
C8	QCT30CH-4R7Y	C.CAPACITOR	4.7PF 5% 50V
C81	QCS31HJ-3R0Z	C.CAPACITOR	3.0PF 5% 50V
C82	QCS31HJ-3R0Z	C.CAPACITOR	3.0PF 5% 50V
C83	QCC31EM-223ZV	C.CAPACITOR	.022MF 20% 25V
C84	QCB1HK-101Y	C.CAPACITOR	100PF 10% 50V
C85	QCF11HP-103	C.CAPACITOR	.010MF +100:-0% 50V
C86	QCS11HJ-7R0	C.CAPACITOR	7.0PF 5% 50V
C90	QCS11HJ-151	C.CAPACITOR	150PF 5% 50V
D1	MA165-TA5V	SI DIODE	
IC1	BA4407L	IC	
IC2	AN7222N	IC	
IC3	AN7410N	IC	
L1	VQF1B12-007	RF COIL	
L10	VQP0012-100	INDUCTOR	
L2,L3	VQB010B-309T	BAR ANTENNA	
L4	VQR7002-302	RF COIL	
L5	VO3105-029	OSC COIL	
L6	VQL7T19-301	OSC COIL	
L7	VQM7U01-301	OSC COIL	
L8	VQS7U01-303	OSC COIL	
L9	VQC1304-001	COIL	
R1	QRD161J-560Y	CARBON RESISTOR	56 5% 1/6W
R10	QRD161J-332Y	CARBON RESISTOR	3.3K 5% 1/6W
R11	QRD161J-561Y	CARBON RESISTOR	560 5% 1/6W
R12	QRD161J-222Y	CARBON RESISTOR	2.2K 5% 1/6W
R14	QRD161J-181Y	CARBON RESISTOR	180 5% 1/6W
R15	QRD161J-103Y	CARBON RESISTOR	10K 5% 1/6W
R16	QRD161J-103Y	CARBON RESISTOR	10K 5% 1/6W
R17	QRD161J-103Y	CARBON RESISTOR	10K 5% 1/6W
R18	QRD161J-102Y	CARBON RESISTOR	1.0K 5% 1/6W
R19	QRD161J-183Y	CARBON RESISTOR	18K 5% 1/6W
R20	QRD161J-103Y	CARBON RESISTOR	10K 5% 1/6W
R21	QRD161J-103Y	CARBON RESISTOR	10K 5% 1/6W
R22	QRD161J-101Y	CARBON RESISTOR	100 5% 1/6W
R23	QRD161J-683Y	CARBON RESISTOR	68K 5% 1/6W
R24	QRD161J-222Y	CARBON RESISTOR	2.2K 5% 1/6W
R25	QRD161J-474Y	CARBON RESISTOR	470K 5% 1/6W
R5	QRD161J-104Y	CARBON RESISTOR	100K 5% 1/6W
R6	QRD161J-104Y	CARBON RESISTOR	100K 5% 1/6W
R7	QRD161J-560Y	CARBON RESISTOR	56 5% 1/6W
R8	QRD161J-471Y	CARBON RESISTOR	470 5% 1/6W
S1	QSS8401-001	SLIDE SWITCH	
S2	QSS1201-026	SLIDE SWITCH	
TC3,4	QAT2002-001	T.CAPACITOR	
TC7,8	QAT2002-001	T.CAPACITOR	
VC1,2	QAP1224-521V	V.CAPACITOR	
VC3	QAT5001-005	T.CAPACITOR	
VR1	QVZ3512-103	V.RESISTOR	

10 Exploded View of Enclosure Assembly

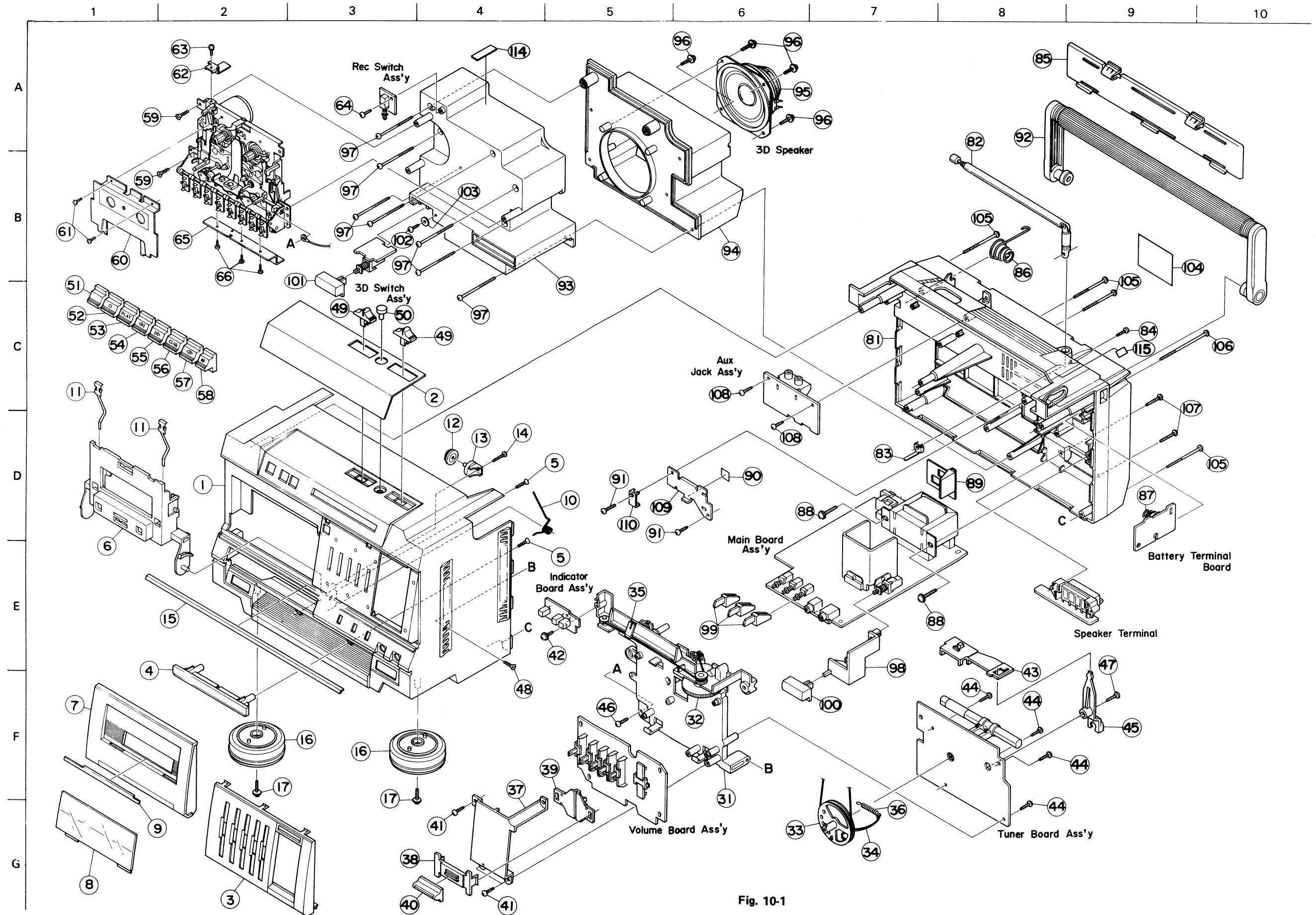


Fig. 10-1

Enclosure Assembly Parts List

△ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1	VJC1631-002	FRONT CABINET	PC-V55B	1
		VJC1631-003	FRONT CABINET	PC-V55E/G	1
	2	VJK3402-002	DIAL LENS	PC-V55B/E	1
		VJK3402-004	DIAL LENS	PC-V55G	1
	3	VJD2319-001	SEA COVER		1
	4	VJD5066-002	ESCUTCHEON		1
	5	SSSF3010Z	SCREW		2
	6	VJT2163-002	CASSETTE HOLDER		1
	7	VJT2164-001	DOOR COVER		1
	8	VJT3230-001	DOOR LENS		1
	9	VJD5086-001	DOOR PLATE		1
	10	VKW4689-001	DOOR SPRING		1
	11	VKY4180-001	CASSETTE SPRING		2
	12	VYH5601-001	GEAR		1
	13	VYH5602-001	DAMPER HOLDER		1
	14	SBSF3012Z	SCREW		1
	15	VJD5101-001	FITTING		1
	16	VJF4015-002	FOOT		2
	17	GBSF3010Z	SCREW		2
	31	VYH2203-00A	TUNER CHASSIS		1
	32	VXL4259-002	TUNING KNOB		1
	33	VYH5786-002	DRUM		1
	34	VHR2ZK9-05AT	DIAL CORD		0
	35	VJN4118-001	PINTER		1
	36	E45679-001	SPRING		1
	37	VYH3446-001	VOLUME BASE		1
	38	VYH6456-001	VOLUME GUIDE		1
	39	VYH6561-002	VOLUME HOLDER		1
	40	VXS4236-002	VOLUME KNOB		1
	41	SBSF3010Z	SCREW	BASE+CHASSIS	3
	42	GBSF3010Z	SCREW	LED+CHASSIS	1
	43	VYH6674-001	SLIDER	BAND	1
	44	GBSF3010Z	SCREW	HOLDER+CHASSIS	4
	45	VYH3477-001	TOGGLE LEVER		1
	46	SBSF3012Z	SCREW	T.CHASSIS+MECHA	1
	47	GBSF3020Z	SCREW	CHASSIS+T.LEVER	1
	48	SSSF3012R	SCREW		1
	49	VXS4258-002	SLIDE KNOB	BAND MODE	2
	50	VXL4260-001	KNOB	FINE	1
	51	VXP3224-001	MECHA BUTTON		1
	52	VXP3224-002	MECHA BUTTON		1
	53	VXP3224-003	MECHA BUTTON		1
	54	VXP3224-004	MECHA BUTTON		1
	55	VXP3224-005	MECHA BUTTON		1
	56	VXP3224-006	MECHA BUTTON		1
	57	VXP4695-001	MECHA BUTTON		1
	58	VXP4695-002	MECHA BUTTON		1
	59	SSSF3012Z	SCREW		2
	60	VJD5088-001	MECHA.PLATE		1
	61	SDSR2004Z	SCREW		2
	62	VYH6662-001	REC PLATE		1
	63	SPST2003Z	SCREW		1
	64	SDSF3010Z	SCREW		1
	65	VYH6663-001	BUTTON BRACKET		1
	66	SDST2004Z	SCREW		3

When replacing those parts, make sure to use the specified one.

Ass'y Parts

11 Exploded View of Speaker Assembly

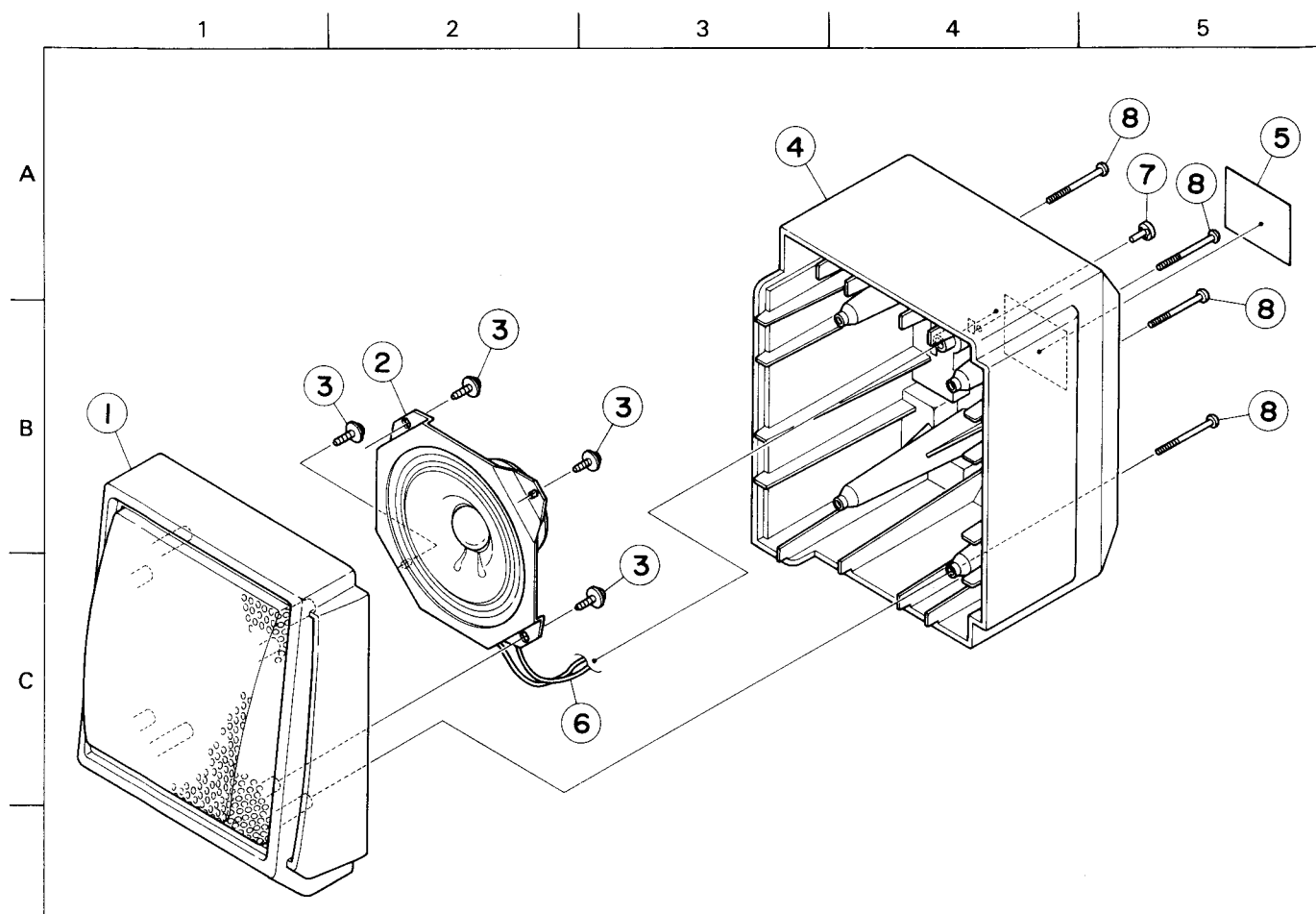


Fig. 11-1

Speaker Assembly Parts List

⚠ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1-1	VJC2303-00A	SP.PANEL ASS'Y	LEFT SIDE	1
	1-2	VJC2303-00B	SP.PANEL ASS'Y	RIGHT SIDE	1
	2	EAS10P268H	SPEAKER		1
	3	SBSF3008Z	SCREW	FOR SPEAKER	4
	4-1	VJC1636-001	REAR CABINET	LEFT SIDE	1
	4-2	VJC1644-001	REAR CABINET	RIGHT SIDE	1
	5	VYN7039-001B	NAME PLATE		1
	6	VMP0040-001N	SPEAKER CODE		1
	7	TEP357469-02	STOPPER		1
	8	SBSF3020Z	SCREW	FOR CABINET	4

12 Exploded View of Mechanism Assembly

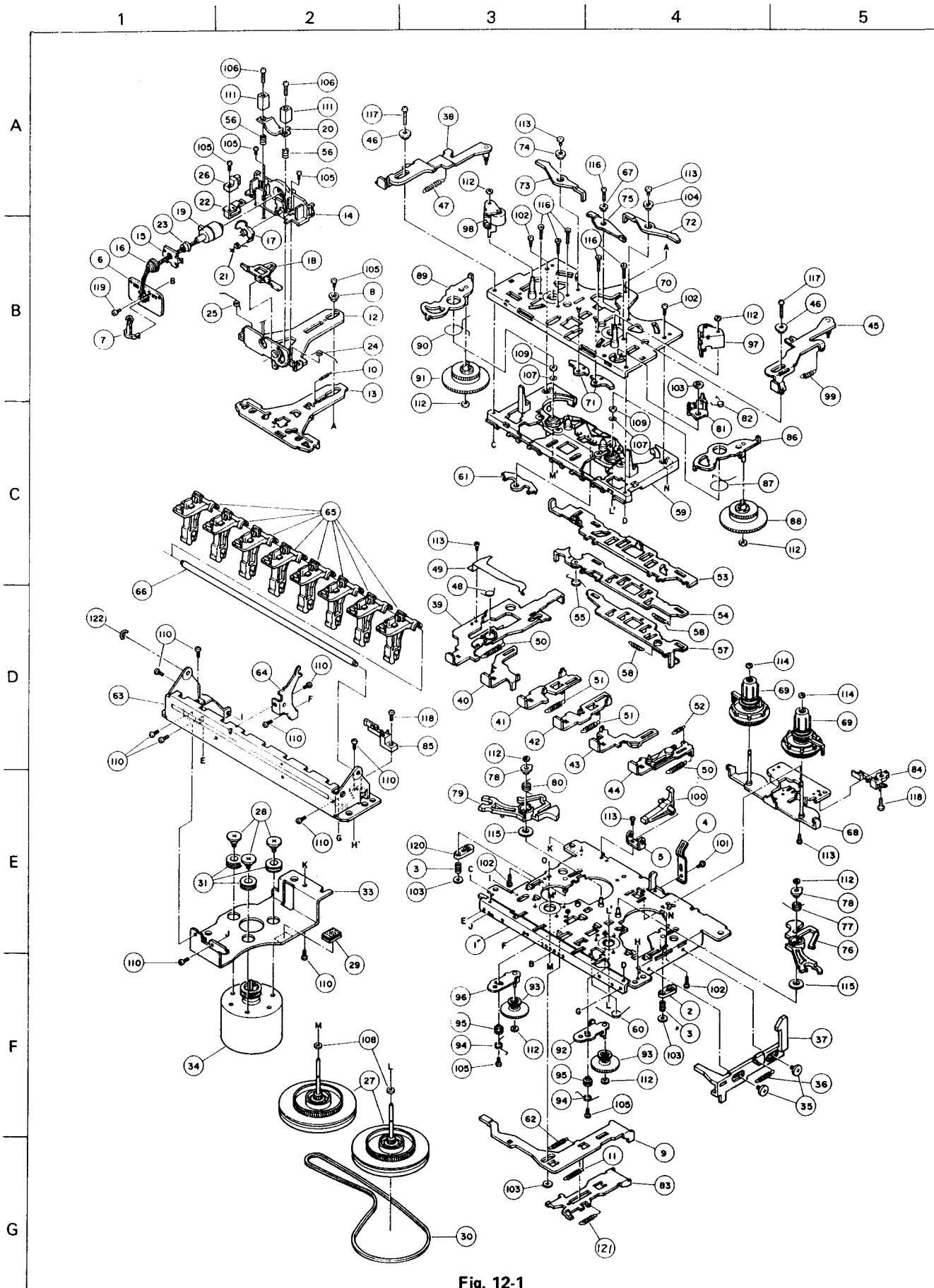


Fig. 12-1

Mechanism Assembly Parts List

△ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1	185101301T	CHASSIS ASS'Y	FOR PAUSE	1
	2	18210115T	PAUSE LEVER		1
	3	18210116T	LEVER SPRING		1
		18210116T	LEVER SPRING		1
	4	18291006T	PACK SPRING		1
	5	18510105T	SAFETY LEV. BKT		1
	6	18510106T	HEAD TERM. PLA.		1
	7	18650965T	CODE CLAMPER		1
	8	18510404T	H. P. COLLAR		1
	9	18510408T	RELEASE PLATE		1
	10	18510409T	TENSION SPRING		1
	11	18510438T	R. C. SPRING		1
	12	18510414T	HEAD PANEL		1
	13	18510415T	R. C. PLATE		1
	14	18510416T	HEAD MOUNT		1
	15	18510418T	HOLDER		1
	16	18510419T	PINION GEAR		1
	17	18510420T	H T. OVER GEAR		1
	18	18510421T	H. SLIDE PLATE		1
	19	62010193T	R/P HEAD		1
	20	18510424T	HEAD SP. PLATE		1
	21	18510425T	TORSION SPRING		1
	22	18510426T	E HEAD HOLDER		1
	23	18510427T	H HOLDER SPRING		1
	24	18510428T	PINCH ROL.F SP.		1
	25	18510429T	PINCH ROL.R SP.		1
	26	62121010T	E HEAD		1
	27	185112502T	FLYWHEEL ASS'Y		2
	28	18211202T	COLLAR SCREW		3
	29	182112109T	MAT		1
	30	18511417T	MAIN BELT		1
	31	18201306T	RUBBER CUSHION		3
	33	18511409T	MOTOR BRACKET		1
	34	185114302ZT	MOTOR ASS'Y		1
	35	18211223T	COLLAR SCREW		2
	36	18511702T	TENSION SPRING		1
	37	18511703T	EJECT SLIDE LEV		1
	38	185102311T	BUTTON LEV. ASY		1
	39	185102313T	BUTTON LEV. ASY	FOR REC	1
	40	18510232TT	BUTTON LEVER	FOR PLAY	1
	41	18510235T	BUTTON LEVER	FOR REW	1
	42	18510234T	BUTTON LEVER	FOR FF	1
	43	18510231TT	BUTTON LEVER	FOR STOP	1
	44	185102312T	BUTTON LEV. ASY		1
	45	185102310T	BUTTON LEV. ASY		1
	46	18510260T	LEVER COLLAR		1
		18510260T	LEVER COLLAR		1
	47	18510268T	TENSION SPRING		1
	48	18510262T	TORSION SPRING		1
	49	18510257T	E HEAD ARM		1
	50	18510270T	TENSION SPRING		1
		18510270T	TENSION SPRING		1
	51	18510269T	TENSION SPRING		1
		18510269T	TENSION SPRING		1

⚠ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	52	18510227T	TENSION SPRING		1
	53	18510256T	SLIDE PLATE		1
	54	185102314T	LOCK ACTR. ASY.		1
	55	18510220T	TORSION SPRING		1
	56	18650259T	AZIMUTH SPRING		2
	57	185102315T	SW. ACTR. ASS'Y		1
	58	18510267T	TENSION SPRING		1
		18510267T	TENSION SPRING		1
	59	185102501T	BUTTON BASE ASY		1
	60	18510221T	TORSION SPRING		1
	61	18510241T	FF CONTROL ARM		1
	62	18510242T	TENSION SPRING		1
	63	18513102T	BUTTON FRAME		1
	64	18513103T	BRACKET		1
	65	18513104T	OPERATION LEVER		8
	66	18513107T	BUT.LEVER SHAFT		1
	67	18510258T	COLLAR		1
	68	185111301T	REEL PLATE ASY.		1
	69	185111501T	REEL ASS'Y		2
	70	185118301T	SUB CHASSIS ASY		1
	71	18511804T	RC ARM		2
	72	18511805T	AUTO CON. ARM F		1
	73	18511806T	AUTO CON. ARM R		1
	74	18511807T	COLLAR		1
	75	18511808T	PAUSE ARM		1
	76	18512006T	AUTO LEVER F	FOR AUTO LEVER	1
	77	18512003T	TORSION SPRING		1
	78	18512005T	SPRING STOPPER		1
		18512005T	SPRING STOPPER		1
	79	18512007T	AUTO LEVER R		1
	80	18512004T	TORSION SPRING	FOR AUTO LEVER	1
	81	18510303T	TURN OVER ARM		1
	82	18510304T	TORSION SPRING		1
	83	18511602T	FF SW. PLATE		1
	84	640101151T	LEAF SWITCH		1
	85	64010144T	LEAF SWITCH		1
	86	185105301T	T. G. ARM F ASY		1
	87	18510504T	TORSION SPRING		1
	88	18510505T	T. CAM GEAR F		1
	89	185106301T	T. G. ARM R ASY		1
	90	18510603T	TORSION SPRING		1
	91	18510604T	T. CAM GEAR R		1
	92	185107301T	FF ARM F ASS'Y		1
	93	18510703T	FF GEAR		1
		18510703T	FF GEAR		1
	94	18510704T	FF ARM SPRING		1
		18510704T	FF ARM SPRING		1
	95	18510705T	FF ARM COLLAR		1
		18510705T	FF ARM COLLAR		1
	96	185108301T	FF ARM ASS'Y		1
	97	185109502T	PINCH ROL.F ASY		1
	98	185110502T	PINCH ROL.R ASY		1
	99	18001123T	SPRING		1
	100	18510109T	REC. SAFETY LEV		1

⚠ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	101	91780000T	SCREW		1
	102	96740000T	TAPPING SCREW		4
	103	96930000T	SPECIAL SCREW		1
		98760000T	POLY. WASHER		1
		98760000T	POLY. WASHER		1
		98760000T	POLY. WASHER		1
	104	98760000T	POLY. WASHER		1
		98760000T	POLY. WASHER		1
		18511807AT	COLLAR		1
	105	96950000T	SPECIAL SCREW		1
		96950000T	SPECIAL SCREW		1
		96950000T	SPECIAL SCREW		1
		96950000T	SPECIAL SCREW		1
	106	96950000T	SPECIAL SCREW		1
		96950000T	SPECIAL SCREW		1
	107	99992011T	SPECIAL SCREW		2
		97860000T	P.WASHER		2
	108	98890000T	POLY.WASHER		2
	109	99990309T	POLY.CUT WASHER		2
	110	91800000T	SCREW		2
		91800000T	SCREW		1
		91800000T	SCREW		7
	111	18510436T	SCREW HOLDER		2
	112	94210000T	P.CUT WASHER		1
		94210000T	P.CUT WASHER		1
		94210000T	P.CUT WASHER		1
		94210000T	P.CUT WASHER		1
		94210000T	P.CUT WASHER		1
		94210000T	P.CUT WASHER		1
		94210000T	P.CUT WASHER		1
	113	96930000T	SPECIAL SCREW		1
		96930000T	SPECIAL SCREW		1
		96930000T	SPECIAL SCREW		1
		96930000T	SPECIAL SCREW		1
	114	98880000T	P.WASHER		2
	115	99990009T	POLY. WASHER		1
		99990009T	POLY. WASHER		1
	116	99991301T	SPECIAL SCREW		1
		99991301T	SPECIAL SCREW		5
		99991301T	SPECIAL SCREW		1
	117	91850000T	TH. TAP SCREW		1
		91850000T	TH. TAP SCREW		1
	118	91810000T	SCREW		1
		91810000T	SCREW		1
	119	99992012T	SPECIAL SCREW		1
	120	18510108T	PAUSE LEVER	FOR MODE	1
	121	18511606T	TENSION SPRING		1
	122	95000000T	E.RING		1

13 Packing

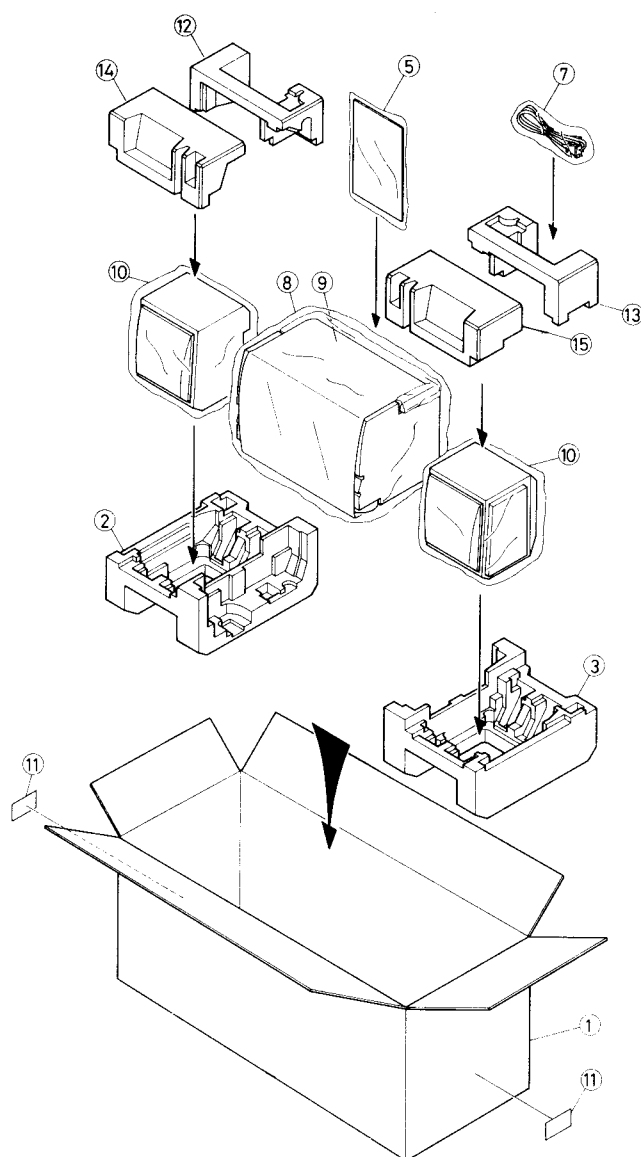


Fig. 13-1

Packing Parts List

⚠ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

⚠	Ref. No.	Parts Number	Parts Name	Description	Q'ty
	1	VPC7039-001	Carton		1
	2	VPH1415-001	Cushion	Left Side	1
	3	VPH1415-002	"	Right Side	1
	5	VPE3005-004	Poly Bag	for Instruction Book	1
	7	QPGA012-02505	"	for Power Cord	1
	8	VPE3005-026	"	for Receiver	1
	9	VPK4002-016	Sheet	for Receiver	1
	10	VPE3005-016	Poly Bag	for Speaker	2
	11	VPZ4001-001	Serial Ticket		2
	12	VPH1416-001	Cushion	Left Side (Back)	1
	13	" -002	"	Right Side (Back)	1
	14	VPH1422-001	"	Left Side (Front)	1
	15	" -002	"	Right Side (Front)	1

14 Accessories

⚠ Parts are safety assurance parts.

When replacing those parts, make sure to use the specified one.

⚠	Ref. No.	Parts No.	Parts Name	Description
		VNN7039-211 VNN7039-441 BT20060 BT20065 BT20066	Instruction Book " Warranty Card " "	E Version B Version G Version B/G Version
		QMP9017-009BS QMP3950-183 QZL1002-003 TJL000420-01 PU36158	Power Cord " Warning Label Mark FTZ TNI. Sheet	B Version E/G Version B Version " G Version